

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (Original): An electrolyte composition comprising ionic liquid including dicyanoamide anions as anions.
2. (Original): The electrolyte composition according to claim 1, wherein the ionic liquid comprises cations having quaternized nitrogen atom.
3. (Original): The electrolyte composition according to claim 1 comprising halogen-based redox pair.
4. (Original): The electrolyte composition according to claim 1 as an electrolyte of a photoelectric conversion element.
5. (Original): A photoelectric conversion element comprising the electrolyte composition according to claim 1 as an electrolyte.
6. (Original): The photoelectric conversion element according to claim 5 being a dye-sensitized solar cell.

7. (Original): The electrolyte composition according to claim 2 wherein the cations having quaternized nitrogen atom include quaternary ammonium, or cations of a nitrogen-containing heterocyclic compound.
8. (Currently Amended): The electrolyte composition according to claim 1 wherein the ionic liquid includes 1-ethyl-3-methylimidazolium dicyanamide, N-butylpyridinium dicyanamide, N-ethyl-N-methyl ~~pyrrolidinium~~~~pyridinium~~ dicyanamide, N-propyl-N-methyl ~~pyrrolidinium~~~~pyridinium~~ dicyanamide, N-butyl-N-methyl ~~pyrrolidinium~~~~pyridinium~~ dicyanamide, N-hexyl-N-methyl ~~pyrrolidinium~~~~pyridinium~~ dicyanamide, N-pentyl-N, N, N-triethyl ammonium dicyanamide, N-hexyl-N, N, N-triethyl ammonium dicyanamide, and N-pentyl-N, N, N-tributyl ammonium dicyanamide.
9. (Original): The electrolyte composition according to claim 8 wherein the ionic liquid is selected from the group consisting of 1-ethyl-3-methylimidazolium dicyanamide and N-butylpyridinium dicyanamide.
10. (Original): The electrolyte composition according to claim 3 wherein the halogen-based redox pair includes halide ions and polyhalide ions.

11. (Original): The electrolyte composition according to claim 10 wherein the halide ions are selected from the group consisting of iodide ions (I<sup>-</sup>), bromide ions (Br<sup>-</sup>), and chloride ions (Cl<sup>-</sup>).
12. (Original): The electrolyte composition according to claim 10 wherein the polyhalide ions  
are selected from the group consisting of Br<sub>3</sub><sup>-</sup>, I<sub>3</sub><sup>-</sup>, I<sub>5</sub><sup>-</sup>, I<sub>7</sub><sup>-</sup>, ClI<sub>2</sub>I<sup>-</sup>, ClI<sub>2</sub>I<sub>2</sub><sup>-</sup>, Br<sub>2</sub>I<sup>-</sup>, and BrI<sub>2</sub><sup>-</sup>.
13. (Original): The electrolyte composition according to claim 3 wherein the halogen-based redox pair includes one which is obtained by mixing iodine / iodide ions or bromine / bromide ions.
14. (Original): The electrolyte composition according to claim 3 wherein the halogen-based redox pair is formed reacting halide ions with halogen molecules.
15. (Original): The electrolyte composition according to claim 1 further comprising a gelator.
16. (Original): The electrolyte composition according to claim 1 further comprising additives which include a organic nitrogen compound, a lithium salt, a sodium salt, a magnesium salt, an iodide salt, a thiocyanate salt, and water.

17. (Original): A dye-sensitized solar cell comprising a transparent electrode substrate, a working electrode having an oxide semiconductive porous film formed on the transparent electrode substrate which is made of oxide semiconductive fine particles and having a photo-sensitizing dye absorbed thereon, and a counter electrode provided opposing the working electrode, and an electrolyte layer comprising the electrolyte composition according to claim 1 which is provided between the working electrode and the counter electrode.

18. (Original): The dye-sensitized solar cell according to claim 17 wherein the transparent electrode substrate comprises a conductive layer made of a conductive material on a transparent substrate.

19. (Original): The dye-sensitized solar cell according to claim 18 wherein the transparent substrate includes glass, a transparent plastic substrate, and a polished plate of a ceramic.

20. (Original): The dye-sensitized solar cell according to claim 18 wherein the conductive layer includes a transparent oxide semiconductor selected from the group consisting of tin-doped indium oxide (ITO), tin oxide (SnO<sub>2</sub>), fluorine-doped tin oxide (FTO), and mixtures thereof.

21. (Original): The dye-sensitized solar cell according to claim 18 wherein the  
conductive layer

has a thickness of between about 0.05  $\mu\text{m}$  and 2.0  $\mu\text{m}$ .

22. (Original): The dye-sensitized solar cell according to claim 17 wherein the oxide  
semiconductor porous film is a porous thin layer with a thickness between about 0.5 and 50  $\mu\text{m}$   
containing as a main component oxide semiconductor fine particles which include titanium oxide  
( $\text{TiO}_2$ ), tin oxide ( $\text{SnO}_2$ ), tungsten oxide ( $\text{WO}_3$ ), zinc oxide ( $\text{ZnO}$ ), niobium oxide ( $\text{Nb}_2\text{O}_5$ ), and  
mixtures thereof, where said oxide semiconductor fine particles have an average particle  
diameter between 1 nm to 1000 nm.

23. (Original): The dye-sensitized solar cell according to claim 17 measuring  
photoelectric conversion efficiency greater than 4.5%.